

ABSTRACT

A multiband antenna has a lower conductive tube and three or more upper conductive tubes, all spaced from each other and disposed on the same longitudinal axis. A transmission line extends within the lower conductive tube to a first feed point and a second transmission line extends within the lower conductive tube and one or more of the upper conductive tubes to a second feed point. The lower and upper conductive tubes form a dipole radiator centered on the first feed point. The upper conductive tubes form a dipole radiator centered on the second feed point. One or more isolation circuits resonate in only one frequency band for signals transmitted along one of the transmission lines.